

UTILITY PATENT APPLICATION TRANSMITTAL	Attorney Docket No.:	SC12804TP
	First Inventor:	Varughese Mathew et al.
	Title:	SEMICONDUCTOR PROCESS AND COMPOSITION FOR FORMING A BARRIER MATERIAL OVERLYING COPPER
	Express Mail Label No.:	EV 322113342 US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS (see MPEP chapter 600 concerning utility patent application contents)	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450
---	--

1. <input checked="" type="checkbox"/> Fee Transmittal Form in duplicate (Submit an original and a duplicate for fee processing) 2. <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27 3. <input checked="" type="checkbox"/> Specification Total Pages <input type="text" value="19"/> (preferred arrangement set forth below) -Descriptive title of the invention -Cross Reference to Related Applications -Statement Regarding Fed sponsored R&D -Reference to sequence listing, a table, -Background of the Invention -Brief Summary of the Invention -Brief Description of the Drawings (if filed) -Detailed Description -Claim(s) -Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) Total Sheets <input type="text" value="1"/> 5. Oath or Declaration a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/ divisional with Box 18 completed) i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input type="checkbox"/> Application Data Sheet under 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequences (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CFR) b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-4 (2 copies); ii. <input type="checkbox"/> or paper c. <input type="checkbox"/> Statements verifying identity of above copies
---	--

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) ☐ Power of Attorney Statement (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ IDS ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
15. ☐ Certified Copy of Priority Document
16. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: _____

18. IF A CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

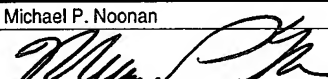
☐ Continuation ☐ Divisional ☐ Continuation-in- Part (CIP) Prior Appl. No.
Prior Appl. information: Examiner: Group/Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number	<input type="text" value="23125"/>	or	<input type="checkbox"/> Correspondence address below
Name	Michael P. Noonan		
Address	Motorola, Inc. - Law Department		
	7700 West Parmer Lane		
City	Austin	State	Texas
Country	U.S.A.	Telephone	
Name	Michael P. Noonan	Registration No.	42,038
SIGNATURE	Date		August 27, 2003

SC12804TP

FEE TRANSMITTAL Patent fees are subject to annual revision <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Complete if Known																																																																																																																																																											
		Application Number																																																																																																																																																											
		Filing Date	Concurrently Herewith																																																																																																																																																										
		First Named Inventor	Varughese Mathew																																																																																																																																																										
		Examiner Name																																																																																																																																																											
		Group Art Unit																																																																																																																																																											
TOTAL AMOUNT OF PAYMENT		Attorney Docket No.	SC12804TP																																																																																																																																																										
TOTAL (\$)		790.00																																																																																																																																																											
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																											
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number 502117 Deposit Account Name Motorola, Inc.		3. ADDITIONAL FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> </tr> <tr> <th>Code</th> <th>Fee (\$)</th> <th>Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late Provisional filing</td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td></tr> <tr><td>1812</td><td>2520</td><td>1812</td><td>2520</td><td>For filing a request for ex parte Reexamination</td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td></tr> <tr><td>1805</td><td>1840*</td><td>1805</td><td>1840*</td><td>Requesting publication of SIR after Examiner action</td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td></tr> <tr><td>1254</td><td>1450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td></tr> <tr><td>1255</td><td>1970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td></tr> <tr><td>1451</td><td>1510</td><td>1451</td><td>1510</td><td>Petition to institute a public use proceeding</td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td></tr> <tr><td>1453</td><td>1300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td></tr> <tr><td>1501</td><td>1300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of IDS</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>Request for Continued Examination (RCE)</td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td></tr> <tr><td colspan="5">Other fee (specify) _____</td></tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Code	Fee (\$)	Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath	1052	50	2052	25	Surcharge - late Provisional filing	1053	130	1053	130	Non-English specification	1812	2520	1812	2520	For filing a request for ex parte Reexamination	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action	1251	110	2251	55	Extension for reply within first month	1252	410	2252	205	Extension for reply within second month	1253	930	2253	465	Extension for reply within third month	1254	1450	2254	725	Extension for reply within fourth month	1255	1970	2255	985	Extension for reply within fifth month	1401	320	2401	160	Notice of Appeal	1402	320	2402	160	Filing a brief in support of an appeal	1403	280	2403	140	Request for oral hearing	1451	1510	1451	1510	Petition to institute a public use proceeding	1452	110	2452	55	Petition to revive - unavoidable	1453	1300	2453	650	Petition to revive - unintentional	1501	1300	2501	650	Utility issue fee (or reissue)	1502	470	2502	235	Design issue fee	1503	630	2503	315	Plant issue fee	1460	130	1460	130	Petitions to the Commissioner	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	1806	180	1806	180	Submission of IDS	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	1801	750	2801	375	Request for Continued Examination (RCE)	1802	900	1802	900	Request for expedited examination of a design application	Other fee (specify) _____				
Large Entity		Small Entity		Fee Description																																																																																																																																																									
Code	Fee (\$)	Code	Fee (\$)																																																																																																																																																										
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																									
1052	50	2052	25	Surcharge - late Provisional filing																																																																																																																																																									
1053	130	1053	130	Non-English specification																																																																																																																																																									
1812	2520	1812	2520	For filing a request for ex parte Reexamination																																																																																																																																																									
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																									
1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action																																																																																																																																																									
1251	110	2251	55	Extension for reply within first month																																																																																																																																																									
1252	410	2252	205	Extension for reply within second month																																																																																																																																																									
1253	930	2253	465	Extension for reply within third month																																																																																																																																																									
1254	1450	2254	725	Extension for reply within fourth month																																																																																																																																																									
1255	1970	2255	985	Extension for reply within fifth month																																																																																																																																																									
1401	320	2401	160	Notice of Appeal																																																																																																																																																									
1402	320	2402	160	Filing a brief in support of an appeal																																																																																																																																																									
1403	280	2403	140	Request for oral hearing																																																																																																																																																									
1451	1510	1451	1510	Petition to institute a public use proceeding																																																																																																																																																									
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																									
1453	1300	2453	650	Petition to revive - unintentional																																																																																																																																																									
1501	1300	2501	650	Utility issue fee (or reissue)																																																																																																																																																									
1502	470	2502	235	Design issue fee																																																																																																																																																									
1503	630	2503	315	Plant issue fee																																																																																																																																																									
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																									
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																									
1806	180	1806	180	Submission of IDS																																																																																																																																																									
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																									
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																									
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																									
1801	750	2801	375	Request for Continued Examination (RCE)																																																																																																																																																									
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																									
Other fee (specify) _____																																																																																																																																																													
FEE CALCULATION																																																																																																																																																													
1. BASIC FILING FEE <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>750</td><td>2001</td><td>375</td><td>Utility filing fee</td><td>750</td></tr> <tr><td>1002</td><td>330</td><td>2002</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>520</td><td>2003</td><td>260</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5" style="text-align: right;">SUBTOTAL (1)</td><td>(\$ 750.00)</td></tr> </tbody> </table>		Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid	1001	750	2001	375	Utility filing fee	750	1002	330	2002	165	Design filing fee		1003	520	2003	260	Plant filing fee		1004	750	2004	375	Reissue filing fee		1005	160	2005	80	Provisional filing fee		SUBTOTAL (1)					(\$ 750.00)																																																																																																																		
Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																								
1001	750	2001	375	Utility filing fee	750																																																																																																																																																								
1002	330	2002	165	Design filing fee																																																																																																																																																									
1003	520	2003	260	Plant filing fee																																																																																																																																																									
1004	750	2004	375	Reissue filing fee																																																																																																																																																									
1005	160	2005	80	Provisional filing fee																																																																																																																																																									
SUBTOTAL (1)					(\$ 750.00)																																																																																																																																																								
2. EXTRA CLAIM FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Previously Paid**</th> <th colspan="2">Extra Claims</th> <th colspan="2">Fee from below</th> <th colspan="2">Fee Paid</th> </tr> <tr> <th>Total Claims</th> <th>Independent Claims</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>3</td> <td>20</td> <td>3</td> <td>0</td> <td>18</td> <td>0</td> <td>0</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td>0</td> <td>84</td> <td>0</td> <td>0</td> </tr> <tr> <td colspan="2">Multiple Dependent</td> <td colspan="2"></td> <td colspan="2">280</td> <td colspan="2">0</td> </tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>1201</td><td>84</td><td>2201</td><td>42</td><td>Independent claims in excess of 3</td></tr> <tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>1204</td><td>84</td><td>2204</td><td>42</td><td>* Reissue independent claims over original patent</td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>* Reissue claims in excess of 20 and over original patent</td></tr> <tr><td colspan="5" style="text-align: right;">SUBTOTAL (2)</td><td>(\$ 0.00)</td></tr> </tbody> </table> <p>**OR NUMBER PREVIOUSLY PAID, IF GREATER THAN STANDARD ALLOWANCE. *For Reissues, see above</p>		Previously Paid**		Extra Claims		Fee from below		Fee Paid		Total Claims	Independent Claims							20	3	20	3	0	18	0	0					0	84	0	0	Multiple Dependent				280		0		Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	1202	18	2202	9	Claims in excess of 20	1201	84	2201	42	Independent claims in excess of 3	1203	280	2203	140	Multiple dependent claim, if not paid	1204	84	2204	42	* Reissue independent claims over original patent	1205	18	2205	9	* Reissue claims in excess of 20 and over original patent	SUBTOTAL (2)					(\$ 0.00)																																																																																
Previously Paid**		Extra Claims		Fee from below		Fee Paid																																																																																																																																																							
Total Claims	Independent Claims																																																																																																																																																												
20	3	20	3	0	18	0	0																																																																																																																																																						
				0	84	0	0																																																																																																																																																						
Multiple Dependent				280		0																																																																																																																																																							
Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description																																																																																																																																																									
1202	18	2202	9	Claims in excess of 20																																																																																																																																																									
1201	84	2201	42	Independent claims in excess of 3																																																																																																																																																									
1203	280	2203	140	Multiple dependent claim, if not paid																																																																																																																																																									
1204	84	2204	42	* Reissue independent claims over original patent																																																																																																																																																									
1205	18	2205	9	* Reissue claims in excess of 20 and over original patent																																																																																																																																																									
SUBTOTAL (2)					(\$ 0.00)																																																																																																																																																								
SUBMITTED BY Name (Print/Type) Michael P. Noonan Signature  Date August 27, 2003		Complete (if applicable) Registration No. 42,038 Telephone 512.996.6839																																																																																																																																																											

SC12804TP